Preliminary Classification:

Proposed Class:

Subclass:

NOTE: "All applicants are requested to include a preliminary classification on newly filed patent applications. The preliminary classification, preferably class and subclass designations, should be identified in the upper right-hand corner of the letter of transmittal accompanying the application papers, for example 'Proposed Class 2, subclass 129.' " M.P.E.P. § 601, 7th ed.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Box Patent Application Assistant Commissioner for Patents Washington, D.C. 20231

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of

Inventor(s): Hui Fu, Robert K. Wolf

WARNING: 37 C.F.R. § 1.41(a)(1) points out:

"(a) A patent is applied for in the name or names of the actual inventor or inventors.

"(1) The inventorship of a nonprovisional application is that inventorship set forth in the oath or declaration as prescribed by § 1.63, except as provided for in § 1.53(d)(4) and § 1.63(d). If an oath or declaration as prescribed by § 1.63 is not filed during the pendency of a nonprovisional application, the inventorship is that inventorship set forth in the application papers filed pursuant to § 1.53(b), unless a petition under this paragraph accompanied by the fee set forth in § 1.17(i) is filed supplying or changing the name or names of the inventor or inventors."

For (title):

Trench That Limits Thermal Compling

CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a) and 1.10*

(When using Express Mail, the Express Mail label number is mandatory; Express Mail certification is optional.)

I hereby certify that, on the date shown below, this correspondence is being:

MAILING

deposited with the United States Postal Service in an envelope addressed to the Assistant Commissioner

for Patents, Washington, D.C. 20231

37 C.F.R. § 1.8(a)

with sufficient postage as first class mail.

as "Express Mail Post Office to Addressee"

Mailing Label No. (193106203545 (mandatory)

TRANSMISSION

☐ facsimile transmitted to the Patent and Trademark Office, (703)

Signature

* Only the date of filing (§ 1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under § 1.8 continues to be taken into account in determining timeliness. See § 1.703(f). Consider "Express Mail Post Office to Addressee" (§ 1.10) or facsimile transmission (§ 1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

(New Application Transmittal [4-1]-page 1 of 14)

1.	Type	of	Application

This new application is for a(n)

	(check one applicable item below)
X	Original (nonprovisional)
	Design
	☐ Plant
WARNING	Do not use this transmittal for a completion in the U.S. of an International Application under 35 U.S.C. § 371(c)(4), unless the International Application is being filed as a divisional, continuation or continuation-in-part application.
WARNING	Do not use this transmittal for the filing of a provisional application.
T	one of the following 3 items apply, then complete and attach ADDED PAGES FOR NEW APPLICATION RANSMITTAL WHERE BENEFIT OF A PRIOR U.S. APPLICATION CLAIMED and a NOTIFICATION I PARENT APPLICATION OF THE FILING OF THIS CONTINUATION APPLICATION.
	Divisional.
	Continuation.
	Continuation-in-part (C-I-P).
. Benef	it of Prior U.S. Application(s) (35 U.S.C. §§ 119(e), 120, or 121)

- 2
 - NOTE: A nonprovisional application may claim an invention disclosed in one or more prior filed copending nonprovisional applications or copending international applications designating the United States of America. In order for a nonprovisional application to claim the benefit of a prior filed copending nonprovisional application or copending international application designating the United States of America, each prior application must name as an inventor at least one inventor named in the later filed nonprovisional application and disclose the named inventor's invention claimed in at least one claim of the later filed nonprovisional application in the manner provided by the first paragraph of 35 U.S.C. § 112. Each prior application must also be:
 - (i) An international application entitled to a filing date in accordance with PCT Article 11 and designating the United States of America; or
 - (ii) Complete as set forth in § 1.51(b); or
 - (iii) Entitled to a filing date as set forth in § 1.53(b) or § 1.53(d) and include the basic filing fee set forth in § 1.16; or
 - (iv) Entitled to a filing date as set forth in § 1.53(b) and have paid therein the processing and retention fee set forth in § 1.21(I) within the time period set forth in § 1.53(f).

37 C.F.R. § 1.78(a)(1).

NOTE: If the new application being transmitted is a divisional, continuation or a continuation-in-part of a parent case, or where the parent case is an International Application which designated the U.S., or benefit of a prior provisional application is claimed, then check the following item and complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICA-TION(S) CLAIMED.

WARNING: If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. §§ 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. §§ 120, 121 or 365(c). (35 U.S.C. § 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. §§ 119, 365(a) or 365(b).) For a c-i-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.

(New Application Transmittal [4-1]-page 2 of 14)

WARNING: 37 C.F.R. § 1.78 Claiming benefit of earlier filing date and cross-references to other application. "(a) * * *

(2) Except for a continued prosecution application filed under § 1.53(d), any nonprovisional application claiming the benefit of one or more prior filed copending nonprovisional applications or international applications designating the United States of America must contain a reference to each such prior application, identifying it by application number (consisting of the series code and serial number) or international application number and international filing date and indicating the relationship of the applications. This reference must be submitted during the pendency of the application, and within the later of four months from the actual filing date of the application or sixteen months from the filing date of the prior application. This time period is not extendable. Unless the reference required by this paragraph is included in an application data sheet (§ 1.76), the specification must contain or be amended to contain such reference in the first sentence following the title. If the application claims the benefit of an international application, the first sentence of the specification must include an indication of whether the international application was published under PCT Article 21(2) in English (regardless of whether benefit for such application is claimed in the application data sheet). The request for a continued prosecution application under § 1.53(d) is the specific reference required by 35 U.S.C. 120 to the prior application. The identification of an application by application number under this section is the specific reference required by 35 U.S.C. 120 to every application assigned that application number. Cross references to other related applications may be made when appropriate (see § 1.14). Except as provided in paragraph (a)(3) of this section, the failure to timely submit the reference required by 35 U.S.C. 120 and this paragraph is considered a waiver of any benefit under 35 U.S.C. 120, 121, or 365(c) to such prior application. The time period set forth in this paragraph does not apply to an application for a design patent." Emphasis added

☐ The new application being transmitted claims the benefit of prior U.S. application(s). Enclosed are ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

Papers Enclosed

Required for filing date under 37 C.F.R. § 1.53(b) (Regular) or 37 C.F.R. § 1.153 (Design) Application

90 Pages of specification text

5 Pages of claims

Sheets of drawing

WARNING: DO NOT submit original drawings. A high quality copy of the drawings should be supplied when filing a patent application. The drawings that are submitted to the Office must be on strong, white, smooth, and non-shiny paper and meet the standards according to § 1.84. If corrections to the drawings are necessary, they should be made to the original drawing and a high-quality copy of the corrected original drawing then submitted to the Office. Only one copy is required or desired. For comments on proposed then-new 37 C.F.R. § 1.84, see Notice of March 9, 1988 (1990 O.G. 57-62).

NOTE: "Identifying indicia, if provided, should include the application number or the title of the invention, inventor's name, docket number (if any), and the name and telephone number of a person to call if the Office is unable to match the drawings to the proper application. This information should be placed on the back of each sheet of drawing a minimum distance of 1.5 cm. (% inch) down from the top of the page . . . " 37 C.F.R. § 1.84(c)).

(complete the following, if applicable)

L. The	enclosed	drawing(s)	are	photograph(s).

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NOTE: 37 C.F.R. 1.84

"(b) Photographs.

"(1) Black and white. Photographs, including photocopies of photographs, are not ordinarily permitted in utility and design patent applications. The Office will accept photographs in utility and design patent applications, however, if photographs are the only practicable medium for illustrating the claimed invention. For example, photographs or photomicrographs of: electrophoresis gels, blots (e.g., immunological, western, Southern, and northern), auto radiographs, cell cultures (stained and unstained), histological tissue cross sections (stained and unstained), animals, plants, in vivo imaging, thin layer chromatography plates, crystalline structures, and, in a design patent application, ornamental effects, are acceptable. If the subject matter of the application admits of illustration by a drawing, the examiner may require a drawing in place of the photograph. The photographs must be of sufficient quality so that all details in the photographs are reproducible in the printed

"(2) Color photographs. Color photographs will be accepted in utility and design patent applications if the conditions for accepting color drawings and black and white photographs have been satisfied. See paragraphs (a)(2) and (b)(1) of this section."

☐ The enclosed drawing(s) are in color. Three (3) sets of color drawings and a "PETITION TO ACCEPT COLOR DRAWING(S)" are attached. 37 C.F.R. §§ 1.84(a)(2) and 1.84(b).

NOTE: 37 C.F.R. 1.84(a)

"(2) Color. On rare occasions, color drawings may be necessary as the only practical medium by which to disclose the subject matter sought to be patented in a utility or design patent application or the subject matter of a statutory invention registration. The color drawings must be of sufficient quality such that all details in the drawings are reproducible in black and white in the printed patent. Color drawings are not permitted in international applications (see PCT Rule 11.13), or in an application, or copy thereof, submitted under the Office electronic filing system. The Office will accept color drawings in utility or design patent applications and statutory invention registrations only after granting a petition filed under this paragraph explaining why the color drawings are necessary. Any such petition must include the following:

- (i) The fee set forth in § 1.17(h);
- (ii) Three (3) sets of color drawings;
- (iii) A black and white photocopy that accurately depicts, to the extent possible, the subject matter shown in the color drawing; and
- (iv) An amendment to the specification to insert (unless the specification contains or has been previously amended to contain) the following language as the first paragraph of the brief

		•	description of the drawings:
		(The patent or application file contains at least one drawing executed in color. Copies of this patent or patent application publication with color drawing(s) will be provided by the Office upon request and payment of the necessary fee."
		forr	nal
	X	info	rmal
В.	Oth	ner P	apers Enclosed
	2	Pa	ages of declaration and power of attorney
	_	Pa	ages of abstract
		O	ther
. Ac	diti	onal	papers enclosed
		Am	endment to claims
			Cancel in this applications claims before calculating the filing fee. (At least one original independent claim must be retained for filing purposes.)
			Add the claims shown on the attached amendment. (Claims added have been numbered consecutively following the highest numbered original claims.)
			(Now Application Transmitted Ed. d.) nage 4 of 14)

5.

Ц	Preliminary Amendment
	Information Disclosure Statement (37 C.F.R. § 1.98)
	Form PTO-1449 (PTO/SB/08A and 08B)
	Citations
	Declaration of Biological Deposit
	Submission of "Sequence Listing," computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence.
	Authorization of Attorney(s) to Accept and Follow Instructions from Representative
	Special Comments
	Other
Decl	aration or oath (including power of attorney)
	A newly executed declaration is not required in a continuation or divisional application provided that the prior nonprovisional application contained a declaration as required, the application being filed is by all or fewer than all the inventors named in the prior application, there is no new matter in the application being filed, and a copy of the executed declaration filed in the prior application (showing the signature or an indication thereon that it was signed) is submitted. The copy must be accompanied by a statement requesting deletion of the names of person(s) who are not inventors of the application being filed. If the declaration in the prior application was filed under § 1.47, then a copy of that declaration must be filed accompanied by a copy of the decision granting § 1.47 status or, if a nonsigning person under § 1.47 has subsequently joined in a prior application, then a copy of the subsequently executed declaration must be filed. See 37 C.F.R. §§ 1.63(d)(1)–(3).
NOTE:	A declaration filed to complete an application must be executed, identify the specification to which it is directed, identify each inventor by full name including family name and at least one given name, without abbreviation together with any other given name or initial, and the residence, post office address and country or citizenship of each inventor, and state whether the inventor is a sole or joint inventor. 37 C.F.R. § 1.63(a)(1)–(4).
NOTE:	"The inventorship of a nonprovisional application is that inventorship set forth in the oath or declaration as prescribed by § 1.62, except as provided for in § 1.53(d)(4) and § 1.63(d). If an oath or declaration as prescribed by § 1.63 is not filed during the pendency of a nonprovisional application, the inventorship is that inventorship set forth in the application papers filed pursuant to § 1.53(b), unless a petition under this paragraph accompanied by the fee set forth in § 1.17(i) is filed supplying or changing the name or names of the inventor or inventors." 37 C.F.R. § 1.41(a)(1).
×	Enclosed
	Executed by
	(check all applicable boxes)
	inventor(s).
	☐ legal representative of inventor(s). 37 C.F.R. §§ 1.42 or 1.43.
	joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached.
	□ This is the petition required by 37 C.F.R. § 1.47 and the statement required by 37 C.F.R. § 1.47 is also attached. See item 13 below for fee.
	Not Enclosed.
NOTE:	Where the filing is a completion in the U.S. of an International Application or where the completion of the U.S. application contains subject matter in addition to the International Application, the application may be treated as a continuation or continuation-in-part, as the case may be, utilizing ADDED PAGE FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION CLAIMED.

(New Application Transmittal [4-1]—page 5 of 14)

[Application is made by a person authorized un behalf of all the above named inventor(s).	der 37 C.F.R. § 1.41(c) on
(The dec	clara	tion or oath, along with the surcharge required can be filed subsequently).	by 37 C.F.R. § 1.16(e)
	[Showing that the filing is authorized. (not required unless called into question. 3	87 C.F.R. § 1.41(d))
6. Invento	orship	Statement	
WARNING:	own	e named inventors are each not the inventors of all the clar ership of the various claims at the time the last claimed mitted.	
The inver	ntors	hip for all the claims in this application are:	
X.	The :	same.	
• ,		or	
		he same. An explanation, including the owners ime the last claimed invention was made,	hip of the various claims at
[□ i	s submitted.	
{		will be submitted.	
7. Langua	age	·	
An req	Engli quired	cation including a signed oath or declaration may be filed sh translation of the non-English language application at by 37 C.F.R. § 1.17(k) is required to be filed with the appli y the Office. 37 C.F.R. § 1.52(d).	nd the processing fee of \$130.00
X	Engli	sh	
	Non-	English	
1		The attached translation includes a statement rate. 37 C.F.R. § 1.52(d).	that the translation is accu-
8. Assignr	ment	a.h.	. <i>T</i>
X.	An a	ssignment of the invention to	nx, Inc.
	X	is attached. A separate □ "COVER SHEET F MENT) ACCOMPANYING NEW PATENT APPL 1595 is also attached.	OR ASSIGNMENT (DOCU- ICATION" of XI FORM PTO
		will follow.	
		signment is submitted with a new application, send two septor the assignment." Notice of May 4, 1990 (1114 O.G. 7	
WARNING:	: A ne in-p	ewly executed "CERTIFICATE UNDER 37 C.F.R. § 3.73(b)" art application is filed by an assignee. Notice of April 30,	must be filed when a continuation- 1993, 1150 O.G. 62-64.
	This	is a \square continuation \square divisional application	on and the assignment
i	docu	ment for the parent application 0 /	was filed
I	on _	····	
			Reel
			Frame
		(New Application	Transmittal [A-1]—page 6 of 14)

9. Certified	Copy							
Certified co	opy(ies) of appli	cation(s)					
Country				Appln. N	0.			Filed
Country				Appln. N	0,			Filed
Country				Appln. N	0.			Filed
from which p	riority	is claimed	t					
□ is	(are) a	ttached.						
□ wi	l follov	N.						
NOTE: The fo	oreign a _l ation. 31	oplication fo 7 C.F.R. § 1	rming the L 1.55(a) and	pasis for the ci	laim fo	r priority must	be referre	d to in the oath o
U.S. a § 120	pplication is itself S FOR I	on or Interna entitled to p	tional Appli riority from	cation from wh a prior foreign	ich thi applic	is application cl ation, then con	laims bene nplete iten	lates. If any paren efit under 35 U.S.C n 18 on the ADDEL S. APPLICATION(S
10. Fee Cal	culatio	on (37 C.I	F.R. § 1.	16)				
A. X Re	gular a	applicatio	า					
			CL	AIMS AS F	LED			
Number	filed		Nu	ımber Extra		Rate	37 C.	asic Fee F.R. § 1.16(a) \$740.00
Total Claims (37 C. § 1.16(c))	F.R.	25 -	20 =	5	×	\$ 18.00		90.00
Independent Claims (37 C. § 1.16(b))	F.R.	2	3 =			A. 04.00		
Multiple depe	adopt	oloim(a)	<u> </u>		×	\$ 84.00		
if any (37 C.					+	\$280.00		
Am Fee NOTE: If the fe prior to notice B. □ Des	endme e for ex es for ex o the exp of fee d	ent deletir xtra claim xtra claims a piration of the deficiency. 3	ng multipi s is not l re not paid one time pen 7 C.F.R. § Filing Fee	being paid on filing they m iod set for resp 1.16(d). e Calculatio	ncies at thi ust be conse	is enclosed s time. paid or the clair	ns cancell and Trade	ed by amendment, mark Office in any
(40)				(יי) • Calculatio	n		¢	

C.	Plant application (\$510.00—37 C.F.R. § 1.16(g))	
	Filing fee calculation	\$

11. Assertion of Small Entity Status

Applicant hereby asserts status as a small entity under 37 C.F.R. § 1.27

NOTE: 37 C.F.R. § 1.27(c) deals with the assertion of small entity status, whether by a written specific declaration thereof or by payment as a small entity of the basic filing fee or the fee for the entry into the national phase and states:

- "(c) Assertion of small entity status. Any party (person, small business concern or nonprofit organization) should make a determination, pursuant to paragraph (f) of this section, of entitlement to be accorded small entity status based on the definitions set forth in paragraph (a) of this section, and must, in order to establish small entity status for the purpose of paying small entity fees, actually make an assertion of entitlement to small entity status, in the manner set forth in paragraphs (c)(1) or (c)(3) of this section, in the application or patent in which such small entity fees are to be paid.
 - (1) Assertion by writing. Small entity status may be established by a written assertion of entitlement to small entity status. A written assertion must:
 - (i) Be clearly identifiable;
 - (ii) Be signed (see paragraph (c)(2) of this section); and
 - (iii) Convey the concept of entitlement to small entity status, such as by stating that applicant is a small entity, or that small entity status is entitled to be asserted for the application or patent. While no specific words or wording are required to assert small entity status, the intent to assert small entity status must be clearly indicated in order to comply with the assertion requirement.
 - (2) Parties who can sign and file the written assertion. The written assertion can be signed by:
 - (i) One of the parties identified in § 1.33(b) (e.g., an attorney or agent registered with the Office), § 3.73(b) of this chapter notwithstanding, who can also file the written assertion;
 - (ii) At least one of the individuals identified as an inventor (even though a § 1.63 executed oath or declaration has not been submitted), notwithstanding § 1.33(b)(4), who can also file the written assertion pursuant to the exception under § 1.33(b) of this part; or
 - (iii) An assignee of an undivided part interest, notwithstanding §§ 1.33(b)(3) and 3.73(b) of this chapter, but the partial assignee cannot file the assertion without resort to a party identified under § 1.33(b) of this part.
 - (3) Assertion by payment of the small entity basic filing or basic national fee. The payment, by any party, of the exact amount of one of the small entity basic filing fees set forth in §§ 1.16(a), (f), (g), (h), or (k), or one of the small entity basic national fees set forth in §§ 1.492(a)(1), (a)(2), (a)(3), (a)(4), or (a)(5), will be treated as a written assertion of entitlement to small entity status even if the type of basic filing or basic national fee is inadvertently selected in error.
 - (i) If the Office accords small entity status based on payment of a small entity basic filing or basic national fee under paragraph (c)(3) of this section that is not applicable to that application, any balance of the small entity fee that is applicable to that application will be due along with the appropriate surcharge set forth in § 1.16(e), or § 1.16(f).
 - (ii) The payment of any small entity fee other than those set forth in paragraph (c)(3) of this section (whether in the exact fee amount or not) will not be treated as a written assertion of entitlement to small entity status and will not be sufficient to establish small entity status in an application or a patent."

WARNING: 37 C.F.R. § 1.27(c)(4): "Assertion required in related, continuing, and reissue applications. Status as a small entity must be specifically established by an assertion in each related, continuing and reissue application in which status is appropriate and desired. Status as a small entity in one application or patent does not affect the status of any other application or patent, regardless of the relationship of the applications or patents. The refiling of an application under § 1.53 as a continuation, divisional, or continuation-in-part application (including a continued prosecution application under § 1.53(d)), or the filing of a reissue application, requires a new assertion as to continued entitlement to small entity status for the continuing or reissue application." WARNING: "Small entity status must not be established when the person or persons signing the . . . statement can unequivocally make the required self-certification." M.P.E.P., § 509.03 (emphasis added). (complete the following, if applicable) ☐ Status as a small entity was asserted in the prior application _, filed on _ _, from which benefit is being claimed for this application under: 35 U.S.C. § 🗌 119(e) □ 120 □ 121 ☐ 365(c) and which status as a small entity is still proper and asserted for this application. A copy of the written assertion of small entity filed in the prior application is included. NOTE: A refund based on establishment of small entity status, of a portion of fees timely paid in full prior to establishing status as a small entity may only be obtained if an assertion under § 1.27(c) and a request for a refund of the excess amount are filed within three months of the date of the timely payment of the full fee. The three-month time period is not extendable under § 1.136. 37 C.F.R. § 1.28(a). Filing Fee Calculation (50% of A, B or C above) \$ 415.00 12. Request for International-Type Search (37 C.F.R. § 1.104(d)) (complete, if applicable)

Please prepare an international-type search report for this application at the time

when national examination on the merits takes place.

(New Application Transmittal [4-1]—page 9 of 14)

13. Fe	e Payr	nent Being Made at This Time	
] Not	Enclosed	
		No filing fee is to be paid at this time. (This and the surcharge required by 37 C.F.R. § 1.16 subsequently.)	(e) can be paid
8	€ Enc	losed	// //
	\bowtie	Filing fee	\$ 415.00
	×	Recording assignment (\$40.00; 37 C.F.R. § 1.21(h)) (See attached "COVER SHEET FOR ASSIGNMENT ACCOMPANYING NEW APPLICATION".)	\$ 40.00
		Petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached (\$130.00; 37 C.F.R. §§ 1.47 and 1.17(i))	\$
		For processing an application with a specification in a non-English language (\$130.00; 37 C.F.R. §§ 1.52(d) and 1.17(k))	\$
		Processing and retention fee (\$130.00; 37 C.F.R. §§ 1.53(d) and 1.21(l))	\$
		Fee for international-type search report (\$40.00; 37 C.F.R. § 1.21(e))	\$
NOTE:	failing t 37 C.F. either t	R. § 1.21(I) establishes a fee for processing and retaining any application to complete the application pursuant to 37 C.F.R. § 1.53(f) and this, as we will also and 1.78(a)(1), indicate that in order to obtain the benefit of a see the basic filing fee must be paid, or the processing and retention fee of § 1 year from notification under § 53(f).	vell as the changes to prior U.S. application,
		Total fees enclosed \$_	455.00
14. Me	ethod	of Payment of Fees	HET OR
×	Atta	ached is a $igstar$ check $\;\square$ money order in the amount of \$ $_$	455.00
] Aut	horization is hereby made to charge the amount of \$	
		to Deposit Account No.	
		to Credit card as shown on the attached credit card infortion form PTO-2038.	mation authoriza-
WARNI	ING: CI	edit card information should not be included on this form as it may bed	come public.
X		arge any additional fees required by this paper or credit and the manner authorized above.	any overpayment
		A duplicate of this paper is attached	

15. Auth	orization to Charge Additional Fees
WARNING	If no fees are to be paid on filing, the following items should <u>not</u> be completed.
WARNING	Accurately count claims, especially multiple dependent claims, to avoid unexpected high charges, if extra claim charges are authorized.
X	The Office is hereby authorized to charge, in the manner shown above, the following additional fees that may be required by this paper and during the entire pendency of this application.
	37 C.F.R. § 1.16(a), (f) or (g) (filling fees)
	37 C.F.R. § 1.16(b), (c) and (d) (presentation of extra claims)
m se to	ecause additional fees for excess or multiple dependent claims not paid on filing or on later presentation bust only be paid or these claims cancelled by amendment prior to the expiration of the time period at for response by the PTO in any notice of fee deficiency (37 C.F.R. § 1.16(d)), it might be best not authorize the PTO to charge additional claim fees, except possibly when dealing with amendments fter final action.
	37 C.F.R. § 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)
	37 C.F.R. § 1.17(a)(1)-(5) (extension fees pursuant to § 1.136(a)).
	37 C.F.R. § 1.17 (application processing fees)
oi as ci ci au § re	. A written request may be submitted in an application that is an authorization to treat any concurrent of turner reply, requiring a petition for an extension of time under this paragraph for its timely submission, is incorporating a petition for extension of time for the appropriate length of time. An authorization to harge all required fees, fees under § 1.17, or all required extension of time fees will be treated as a constructive petition for an extension of time in any concurrent or future reply requiring a petition for an extension of time under this paragraph for its timely submission. Submission of the fee set forth in 1.17(a) will also be treated as a constructive petition for an extension of time in any concurrent reply equiring a petition for an extension of time under this paragraph for its timely submission." 37 C.F.R. 1.136(a)(3).
	☐ 37 C.F.R. § 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. § 1.311(b))
o	Where an authorization to charge the issue fee to a deposit account has been filed before the mailing fa Notice of Allowance, the issue fee will be automatically charged to the deposit account at the time f mailing the notice of allowance. 37 C.F.R. § 1.311(b).
e fe e	7 C.F.R. § 1.28(b) requires "Notification of any change in status resulting in loss of entitlement to small ntity status must be filed in the application prior to paying, or at the time of paying, the issue sec " From the wording of 37 C.F.R. § 1.28(b), (a) notification of change of status must be made even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity.
16. Insti	ructions as to Overpayment
	Amounts of twenty-five dollars or less will not be returned unless specifically requested within reasonable time, nor will the payer be notified of such amounts; amounts over twenty-five dollars may

Reg. No. 33, 701

Tel. No. (45) 963-5055

Customer No.

Daniel H. Golub (type or print name of attorney)

1701 Market Street
P.O. Address

☐ Incor	poration by reference of added pages
pi st th	heck the following item if the application in this transmittal claims the benefit of rior U.S. application(s) (including an international application entering the U.S. age as a continuation, divisional or C-I-P application) and complete and attach the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF RIOR U.S. APPLICATION(S) CLAIMED)
	Plus Added Pages for New Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed
	Number of pages added
	Plus Added Pages for Papers Referred to in Item 4 Above
	Number of pages added
	Plus added pages deleting names of inventor(s) named in prior application(s) who is/are no longer inventor(s) of the subject matter claimed in this application.
	Number of pages added
	Plus "Assignment Cover Letter Accompanying New Application"
^	Number of pages added
State	ment Where No Further Pages Added
i (it	no further pages form a part of this Transmittal, then end this Transmittal with page and check the following item)
X	This transmittal ends with this page.

ADDED PAGE(S) FOR SPECIAL COMMENTS FOR NEW APPLICATION TRANSMITTAL

Added page _____